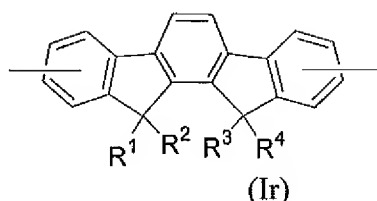


**AMENDMENTS TO THE CLAIMS**

1. (Previously presented) An oligomer or polymer comprising an optionally substituted first repeat unit of formula (Ir):



wherein R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup>, which may be the same or different, are independently selected from hydrogen or a substituent and two or more of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> may be linked to form a ring and the oligomer or polymer comprises a second repeat unit.

2. (Previously presented) An oligomer or polymer according to claim 1 wherein each R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> is independently selected from the group consisting of optionally substituted alkyl, alkoxy, aryl, or heteroaryl.

3. (Previously presented) An oligomer or polymer according to claim 1, wherein at least one of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> is optionally substituted phenyl or optionally substituted C<sub>1-20</sub> alkyl.

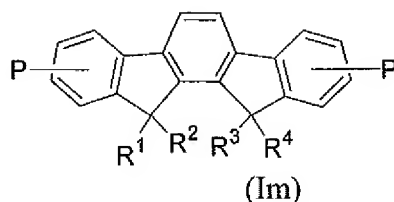
4. (Withdrawn) An oligomer or polymer according to claim 3 wherein at least one R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> is different from at least one other of R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup>.

5. (Previously presented) An oligomer or polymer according to claim 1, wherein the first repeat unit is linked through the 2- and 9-positions.

6. (Cancelled)

7. (Previously presented) An oligomer or polymer according to claim 6 wherein the second repeat unit is selected from optionally substituted aryl, heteroaryl and triarylamine repeat units.

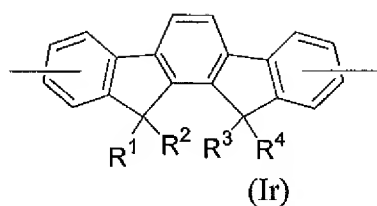
8. (Previously presented) An optionally substituted monomer of formula (Im):



wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$ , which may be the same or different, are independently selected from hydrogen or a substituent and two or more of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  may be linked to form a ring; and each P represents a polymerisable group.

9. (Previously presented) A monomer according to claim 8 wherein each P represents a leaving group capable of participating in a polycondensation mediated by a metal of variable oxidation state.
10. (Previously presented) A monomer according to claim 9 wherein each P is independently selected from halogen; a moiety of formula  $-O-SO_2-Z$  wherein Z is selected from the group consisting of optionally substituted alkyl and aryl; or a reactive boron group selected from a boronic acid, a boronic ester or a borane.
11. (Previously presented) A process for preparing an oligomer or polymer comprising the step of oligomerising or polymerising a monomer according to claim 8.
12. (Previously presented) A process for preparing an oligomer or polymer according to claim 11 wherein each P is independently a halogen or a moiety of formula  $-O-SO_2-Z$ , and the monomer of formula (Im) is oligomerised or polymerised in the presence of a nickel complex catalyst.
13. (Previously presented) A process for preparing a polymer according to claim 11 wherein the monomer of formula (Im) is oligomerised or polymerised with a second aromatic monomer in the presence of a palladium complex catalyst and a base and

- a. each P is the same or different and comprises a reactive boronic group and the second monomer comprises two reactive groups independently selected from halogen and a moiety of formula  $-O-SO_2-Z$ , or
  - b. each P independently comprises a halogen or a moiety of formula  $-O-SO_2-Z$  and the second monomer comprises two reactive boron groups which are the same or different.
14. (Previously presented) A process for preparing an oligomer or polymer according to claim 11, wherein one P is a reactive boron group and the other P is a halogen or a moiety of formula  $-O-SO_2-Z$ .
15. (Withdrawn) An optical device comprising an oligomer or polymer according to claim 1.
16. (Withdrawn) An optical device according to claim 15 wherein the oligomer or polymer is located between a first electrode for injection of charge carriers of a first type and a second electrode for injection of charge carriers of a second type.
17. (Withdrawn) A switching device comprising an oligomer or polymer according to claim 1.
18. (Withdrawn) A field effect transistor comprising an insulator having a first side and a second side; a gate electrode located on the first side of the insulator; an oligomer or polymer according to claim 1 located on the second side of the insulator; and a drain electrode and a source electrode located on the oligomer or polymer.
19. (Withdrawn) An integrated circuit comprising a field effect transistor according to claim 18.
- 20-24. (Cancelled)
25. (New) A polymer comprising an optionally substituted first repeat unit of formula (Ir):



wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$ , which may be the same or different, are independently selected from hydrogen or a substituent and two or more of  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  may be linked to form a ring and the oligomer or polymer comprises a second repeat unit.